

Title (en)

PHOSPHORIC ACID ESTER, PROCESS FOR PREPARING THE SAME, AND DETERGENT COMPOSITION CONTAINING THE SAME

Publication

EP 0312962 A3 19901010 (EN)

Application

EP 88117253 A 19881017

Priority

JP 26598987 A 19871021

Abstract (en)

[origin: EP0312962A2] Phosphoric acid esters represented by the following formulae (I) and (IX) as well as processes for preparing them are disclosed. <CHEM> wherein R1 represents a linear or branched, alkyl or alkenyl group having a C1-36 carbon atom content, with or without the hydrogen atom(s) being substituted with fluorine atom(s), or a phenyl group with substituted linear or branched alkyl group(s) having a C1-15 carbon atom content, R2 represents an alkylene group having a C2-3 carbon atom content, R3 and R4 independently denote a hydrogen atom or an alkyl group having a C1-3 carbon atom content, R5 and R6 independently denote a hydrogen atom, or an alkyl, alkenyl, or phenyl group with or without the hydrogen atom(s) being substituted with group(s) containing hetero atom(s), excepting for a mercapto group, R7 and R8 independently denote a hydrogen atom, or an alkyl, or alkenyl group, m is an integer of 0 - 30, n is an integer of 0 - 5, l is an integer of 0 - 3, M is a hydrogen atom, an alkali metal, an alkali earth metal, an ammonium group, an alkyl amine group, or an alkanol amine group. The phosphoric acid esters have outstanding surface activity and good foaming capability, and imparts only extremely low irritation to the skin The detergent composition into which they are formulated is particularly useful as, shampoo, baby shampoo, body shampoo.

IPC 1-7

C07F 9/09; **C08G 65/32**; **A61K 7/08**; **A61K 7/50**; **C11D 1/88**; **C11D 1/90**

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Citation (search report)

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